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UNMARK
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MICRO-BRIDGES FOR SITTING-DROP CRYSTALLIZATIONS
HARLOS K
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Abstract:
Micro-bridges, small devices in the shape of a bridge, have been designed to carry out **sitting-drop crystallizations** on a microscale. Micro-bridges have an indentation in the top of the bridge to contain the protein **drop** during a **crystallization** experiment and to prevent the droplet from spreading over a large area. The special feature of micro-bridges is that they fit into the **wells** of standard tissue-culture multiwell **plates**.

KeyWords Plus:
PROTEIN **CRYSTALLIZATION**

Addresses:
HARLOS K, OXFORD CTR MOLEC SCI,MOLEC BIOPHYS LAB,REX RICHARDS BLDG,S PARKS RD,OXFORD OX1 3QU,ENGLAND

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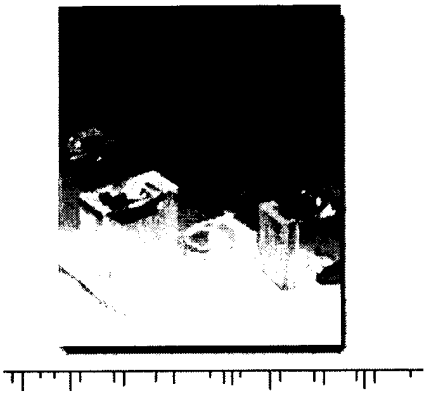
Micro-Bridges™



Ordering Info

Catalog Number: HR3-310
Description: Micro-Bridges
Quantity: 100 pack sampler

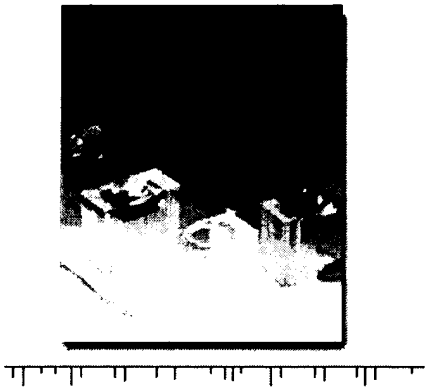
Catalog Number: HR3-312
Description: Micro-Bridges
Quantity: 400 pack

Micro-Bridges™, small devices in the shape of a bridge, are designed to carry out sitting drop vapor diffusion crystallization when placed in a VDX or Linbro Plate. A single Micro-Bridge fits neatly into the reservoir of a standard 24 well VDX Plate for a sitting drop crystallization experiment. Once placed inside the wells, Micro-Bridges are stable and there is no need to stick them to the wells with grease or adhesive. It is therefore possible to transfer them to other wells during or after a crystallization experiment. Why sitting drop? Placing the droplet in the indentation greatly reduces the risk of losing the protein by accident. Crystallization can be carried out in the presence of detergents and organic solvents which are compatible with polystyrene (such as MPD, iso-propanol and ethanol). The protein drop is less affected by condensation problems. Soaking and seeding experiments can be carried out easily. Crystals can be transported more securely. Larger drop volumes can be used. Micro-Bridges have a round indentation in the top surface of the bridge which holds the sample droplet during a crystallization experiment and prevents the droplet from spreading over a large area. Made from polystyrene, these parts are highly transparent and suitable for most crystallizations. The surface of the indentation is highly polished to facilitate the visual inspection of the drops under a microscope. The maximum drop volume for the Micro-Bridge is 35 microliters. Reservoirs can be sealed with plain cover slides and vacuum grease or clear sealing tape.

Hampton Research
27632 El Lazo Road
Suite 100
Laguna Niguel, CA 92677-3913

Tel: 949-425-1321
Fax: 949-425-1611

Micro-Bridges Polypropylene™



Same great Micro-Bridges, new material. Manufactured from clarified polypropylene, these Micro-Bridges are resistant to most organic solvents, and are especially useful with crystallization experiments that involve detergents and other hydrophobic reagents. The polypropylene Micro-Bridges resist drop spreading typically observed when using reagents such as detergents, volatile organics such as iso-propanol and ethanol, and non-volatile organics such as MPD. These Micro-Bridges also resist acetone, dioxane, acetonitrile, 2,2,2 trifluoroethanol, and other aggressive organic solvents.

Ordering Info

Catalog Number: HR3-340
Description: Micro-Bridges Polypropylene
Quantity: 100 pack sampler

Catalog Number: HR3-342
Description: Micro-Bridges Polypropylene
Quantity: 400 pack

Hampton Research
27632 El Lazo Road
Suite 100
Laguna Niguel, CA 92677-3913

Tel: 949-425-1321
Fax: 949-425-1611